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Solid cosmetic compositions for use as a base for make-up and skin and hair care products, comprising, in an aqueous phase, gellan gum, a water swellable hydrocolloid and an amphiphilic polymer with a fatty chain and a hydrophilic group

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Patent Family:

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FR 2781666	A1	20000204	FR 989793	A	19980730	200015
JP 2000053527	A	20000222	JP 99215966	A	19990729	200020
CA 2277862	A1	20000130	CA 2277862	A	19990714	200029
BR 9903317	A	20000530	BR 993317	A	19990715	200035
KR 2000011873	A	20000225	KR 9929545	A	19990721	200102

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Abstract (Basic): EP 976390 A1

NOVELTY - Gelling system for solid aqueous cosmetic compositions is based on gellan gum, another hydrocolloid thickener and an amphiphilic polymer having at least one fatty chain and at least one hydrophilic group.

DETAILED DESCRIPTION - Solid composition comprising, in an aqueous phase, a gelling system comprising: (A) gellan gum, (B) at least one other hydrocolloid selected from xanthan gum; carboxymethylcellulose; hydroxypropylcellulose; methylcellulose; hydroxypropylmethylcellulose; hydroxyethylcellulose; agar-agar; carraghenans; alginates; carob gum; karaya gum; gum tragacanth; gum galty; pectins; gelatine; caseinates;

and hydroxypropylguar; and (C) at least one amphiphilic polymer carrying at least one fatty chain and at least one hydrophilic group.

USE - The products can be produced in the form of sticks for cosmetic use e.g. in the form of make-up such as lipstick, mascara, eye shadow, eyeliner, etc. for application to the face, lips, eye contours, cheeks, eyelashes, hair, eyelids, etc., and as care, cleansing or hygiene compositions for applications to the skin, hair, scalp, etc., as moisturizers, make-up removers, cleansers, shaving soap, deodorants, styling assistants, etc.

ADVANTAGE - The gelling system employed gives solid water based systems which have the required strength and rigidity properties for topical application to the skin or hair and leave a good deposit when applied to the skin etc. without prewetting.

pp; 11 DwgNo 0/0

Technology Focus:

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition:

Component (B) is preferably xanthan gum, carob gum, carboxymethylcellulose, hydroxypropylguar or mixtures of these. Preferably, on total composition, component (A) makes up 1.5-15 (2-8) wt. %, component (B) makes up 0.1-10 (1-5) wt. % component (C) makes up 0.05-20 (0.1-10) wt.% and the combination (A+B+C) makes up 2-30 (2-10) wt. % of the total and the aqueous phase makes up 60-97 wt. % of the total. The composition may additionally contain 0.01-5 wt. % of a salt and/or 0.01-20 wt. % of a solvent other than water and/or up to 30 wt. % (preferably 0.1-20 wt. %) of a fat phase on total composition. The composition may also contain additives such as antioxidants, anti-free radical agents, water-soluble or liposoluble colorants, fillers, lipophilic or hydrophilic active agents, perfumes, UV filters, antidandruff agents, conditioners, deodorants, depigmentation agents, whitening agents, antiwrinkle agents, latices and pseudolatices.

POLYMERS - Preferred Polymer C: The polymer (C) is selected e.g. from (i) holosides modified by groups containing at least one fatty chain; (ii) copolymers of maleic anhydride or a derivative of this and monomers containing at least one fatty chain; (iii) polyurethanes and their derivatives containing groups with at least one fatty chain; (iv) copolymers of crotonic acid and monomers containing at least one fatty chain; (v) copolymers of N-vinylpyrrolidone and monomers containing at least one fatty chain; (vi) nonionic copolymers of a lower (1-6 C) alkyl (meth)acrylate and amphiphilic monomers containing at least one fatty chain; (vii) nonionic copolymers of a hydrophilic (meth)acrylate and amphiphilic monomers containing a fatty chain; and (viii) nonionic copolymers of hydrophilic (meth)acrylates and hydrophobic monomers with a fatty chain.

Title Terms: SOLID; COSMETIC; COMPOSITION; BASE; UP; SKIN; HAIR; CARE; PRODUCT; COMPRISE; AQUEOUS; PHASE; GUM; WATER; SWELLING; HYDROCOLLOID;

AMPHIPHILIC; POLYMER; FATTY; CHAIN; HYDROPHILIC; GROUP  
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Polymer Indexing (PS):  
<01>  
\*001\* 018; G3703 G3623 P0599 D01; R16377 D01 P0599 G3623; R01835 G3678  
G3634 D01 D03 D11 D10 D23 D22 D31 D42 D50 D60 D76 D92 F24 F34 F38  
F35 H0293 P0599 G3623; R03005 G3678 G3634 D01 D03 D11 D10 D23 D22  
D31 D42 D50 D76 D93 F24 F29 F26 F34 H0293 P0599 G3623; R01860 G3678  
G3634 D01 D03 D11 D10 D23 D22 D31 D42 D50 D76 D89 F24 F34 H0293  
P0599 G3623; R06563 G3678 G3634 G3623 P0599 D01 D03 D11 D10 D23 D22  
D31 D42 D50 F24 F26 F34 H0293; R01859 G3678 G3634 D01 D03 D11 D10  
D23 D22 D31 D42 D50 D76 D92 F24 F29 F26 F34 H0293 P0599 G3623;  
R24070 G3623 P0599 D01; R24036 G3623 D01 D03 D05 D11 D10 D23 D22  
D24 D31 D32 D42 D46 D50 D60 D76 D86 D92 F24 F27 F29 F26 F34 F60  
H0293 P0599; R01866 D01 D23 D22 D31 D42 D50 D60 D76 D86 F24 F28 F26  
F34 F36 F35 H0293 P0599 G3623; R07226-R G3623 D01 D23 D22 D31 D42  
D50 D61 D76 D86 F24 F28 F26 F34 F36 F35 H0293 P0599; R17032 G3623  
P0599 D01; R24033 G3714 P0599 D01 F70; R24040 G3714 P0599 D01 F70  
\*002\* 018; R03104 P0599 D01 G3623; M9999 M2200  
\*003\* 018; G0635 G0022 D01 D12 D10 D23 D22 D31 D41 D51 D53 D58 D75 D86  
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\*004\* 018; G0340-R G0339 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D63 F41  
F89 G0384-R D11 D84 D85 D86 D87 D88 D89 D90; H0011-R; P0088  
\*005\* 018; Q9999 Q9176 Q9165; Q9999 Q9187 Q9165; ND01